## ABSTRACT

The invention relates to a method of removing the fibrous shells from cereal grains. This method according to the invention comprises a pretreatment step, wherein the moisture content of the cereal grains is increased, e.g. in the case of corn grains from 16 to more than 20 % by weight, followed by the step of exposure of the pretreated grains to a thermal shock by means of a cryogenic medium and thereafter mechanical treatment step thereof.